Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/08/2015 01:06 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123645	-2	3.58	123299	3.58
Blue	F	SSC	125000	124531	-1	3.09	125463	2.84
Blue	E	FITC	17998	17410	-4	2.69	985	9.40
Blue	D	PE	23234	22755	-3	2.16	1026	8.34
Blue	B	PerCP-Cy5-5	69571	69021	-1	2.87	1812	13.69
Blue	A	PE-Cy7	77815	77019	-2	4.02	1000	26.54
Red	C	APC	65936	64861	-2	2.58	3659	8.20
Red	A	APC-Cy7	100669	101271	0	2.64	2001	7.70
Violet	B	V450	10405	9816	-6	3.92	610	8.61
Violet	A	V500	47250	45352	-5	3.63	2560	6.16

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18750	18.63	616	37	N/A	N/A	Pass
Blue	F	SSC	62250	1.95	525	36	N/A	N/A	Pass
Blue	E	FITC	106	36.24	537	22	0.0225	91	Pass
Blue	D	PE	213	26.21	530	23	0.1748	206	Pass
Blue	B	PerCP-Cy5-5	220	41.23	618	28	0.0104	11	Pass
Blue	A	PE-Cy7	73	107.61	676	30	0.0131	13	Pass
Red	C	APC	341	25.42	584	6	0.0205	0	Pass
Red	A	APC-Cy7	124	37.39	566	7	0.0052	828	Pass
Violet	B	V450	65	45.12	470	20	0.0432	2100	Pass
Violet	A	V500	167	22.62	510	22	0.0137	255	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.28	-31.22	0.71
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.18
Red	15.74	13.09 - 19.63	N/A	N/A	31.68	31.89	1.08

Window Extension: 7.00
FSC Area Scaling Factor: 0.83

Threshold

Threshold (FSC): 9742

Fluidics

FACSFlow Pressure: 4.00 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments